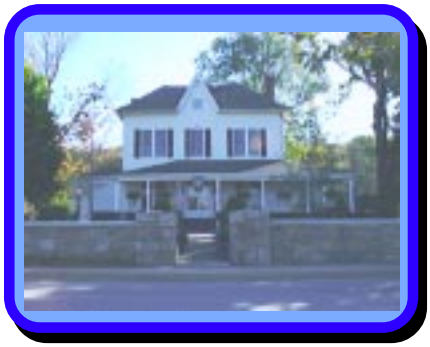
The Submarine On Board Training Newsletter

Computer Learning Centers



Admiral's Corner

Training excellence has always been the focus of the SOBT Program. The SOBT Team will continue to develop advanced methods for delivering training to you. The most recent initiative has been the establishment of computer learning centers at each submarine homeport. Working closely with submarine squadrons and training facilities, the SOBT Team has equipped these learning centers with complete libraries of SOBT products for fleet use. It is expected that this will provide our crews with another means to use these training products for qualification and advancement.

In another effort to make our training products more user friendly, the SOBT staff has embarked on a program to improve the SOBT catalog. The new CD-ROM version of the catalog has special features which allow you to search interactively for products, view product descriptions or video clips, and prepare product orders. In addition, there is a feature that allows you to create and print training plans and view old SOBT newsletters. Current plans call for an updated catalog CD to be issued on a quarterly basis. If you have ideas for improvements to this catalog, please contact my SOBT staff by phone, fax or email.

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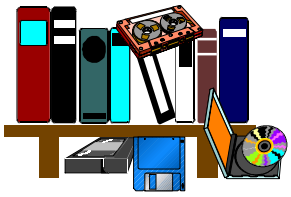
J.B. Padgett

Suggested Distribution of Copies
CO, XO, and COB (1 copy) - SOBT Products Manager (1 copy)
This distribution of SOBT Training Trends will ensure that everyone will be aware of new SOBT products available for training needs.
Distribution Statement A: Approved for public release; distribution is unlimted.

Theme

IN-RATE TRAINING



The SOBT office has an extensive library of training products that will help each submariner increase his level of knowledge in rating and qualifications. We encourage each crew member to give specific feedback on which training area he believes a product is lacking or should be changed. We stress at all of the SOBT briefings the importance of your fleet comments-THIS IS YOUR PROGRAM TO MAKE YOU A MORE EFFECTIVE SUBMARINER. Additionally the submarine advancement exam writers in Pensacola have started to revise exams and will be using SOBT training material for up to fifty percent of all exam questions. You will find that by using SOBT training products you will not only increase your level of IN-RATE knowledge, but you will become a more effective member of your crew and the entire submarine force.

The Technical Support Corner

It has been brought to my attention you are having a difficult time running some of the SSN 688 qualification modules on the CF-61. Well, help is here. Symptoms may include getting error messages, computer lockups, and sometimes inability to read the draw section. There are two module formats out there. The first thirteen modules are in the old format and have a file called "Runtime" and the newer modules have a file called "Runtime 7". So if you installed a new module before you installed an old module you will run into these problems. The fix for this is to delete your SOBT folder and SOBT CMI folder on your hard drive. Once you have done this, install an old module first and then install a new module (i.e. install external hydraulic module then install trim system module). I am in the process of updating the first thirteen modules to fix this problem. You can expect to see them in the very near future.

Your point ofcontact is TMC Strickland.

Submarine VLS Tube Closeout Procedures, SVT-W-9770

This 25 minute video will demonstrate the procedures required to perform a missile tube closeout and O-ring leak test, also covered are the procedures required to shut the missile tube muzzle hatch. This product is currently in distribution and should be complete by the end of January 1999.

Your point of contact is FTC(SS) Mike Lindsey

Technical Support for Laptop Computers

SOBTDS 1 (800) 828-6289 in Norfolk area call (757) 368-9242 0800-1700 (EST)

SNAP or ATIS call JMCIS at 1 (800) 869-6413

3Com, EtherLink III, Lan+33.6 Modem PC card 1(800)876-3266

Brand New Laptop Support in Bangor Washington

Commands in the Bangor should obtain technical support for all SOBTDS, SNAP, ATIS laptops and ICWTS Mini-Towers at the new Naval Intermediate Maintaince Facility Pacific Northwest. For service call NAVIMFACPACNORWEST at (360) 315-1743 and submit a 2k with each laptop or computer requiring service.

Your point of contact is Petty Officer Ralston at Shop 67L

Strategic Weapons Systems (SWS)

The following new interactive courses (ICW) are added to the SOBT library. They are being issued to all TRIDENT submarines, groups, squadrons, and training commands.

Data Entry Subsystem Operational Exercises, ICW-F008
This course provides in-depth training on the new Data Entry Subsystem (DESS) being installed by SPALT 30230(DESS) on all Trident II submarines. To run the course requires a computer with a CD-ROM drive and floppy drive, with Windows 3.1 or Windows 95 operating systems. The program works best in 800 X 600 or higher resolution.

D5 Missile Component Repair Version #3, ICW-M001
Replaces the D5 Missile Component Repair Version #2 that was deleted from the SOBT program because of changes in procedures and technical documentation.
This course provides preparatory information for TRIDENT II Missile technicians in processing and maintenance procedures for the TRIDENT II D5 missile UGM-133A and its related components.

D5 Missile receipt Inspection, ICW-M003
This course will provide in-depth coverage of the inspection criteria related to components, connectors, wiring and procedures required to complete receipt inspections in the Equipment Section, Interstage and Eject Chamber of the TRIDENT II missile. Trainees will be provided randomly created faulted 'Receipt Inspection' scenarios with remediation/feedback instruction.

Your point of contact is Mr. Paul Knieser.

Trident Basic Enlisted Submarine Qualification Program

Thank you to all the subject matter experts and fleet sailors who evaluated the draft courseware of the first eight modules of the new interactive qualification program. The review of the first eight modules included Air Conditioning; Battery & DC Distribution; Bridge; Central Computer Complex; Diesel Engine & Snorkel; Distilling Plant; Electronics & Auxiliary Fresh Water and High Pressure Air. Your input was very important for the developer in making final technical corrections to the courseware. We are now busy assembling these final modules on to CD-ROM in the same format that the blocks are arranged in Phase IV of the (SSBN 726 Class) Enlisted Qualification Guide. The review of the next 24 modules is underway.

Your point of contact is Mr. Paul Knieser.

DEFENSE VISUAL INFORMATION

In the process of developing SOBT video training products, we are frequently tasked to do title and subject matter searches to prevent development of training topics that may already exist, either commercially or in other commands or services. The Department of Defense (DOD) resources we at SOBT use have grown dramatically and are now available on the NET. These sites provide a multitude of information and military subject matter in both Audio-Visual (AV) and Interactive Multimedia (IMI) format. SOBT gladly shares this information with you in the fleet. Here's some introductory information and addresses to access a few of these sites / activities / systems. Defense Visual Information at http://dodimagery.afis.osd.mil is a DOD imagery web page that gets you to other information web sites. These include the Defense Automated Visual Information System / Defense Instructional Technology

Information System (DAVIS/DITIS) search site that contains searchable listings and descriptions of thousands of AV and IMI products used by various DOD branches and services. Additional links will connect you to the Joint Visual Information Services Distribution Activity (JVISDA) where all military services information is available, and additional addresses to Naval Education and Training Professional Development and Technology Center Norfolk Regional Electronic Media Center (NETPDTC NREMC) at Norfolk, VA. where requests for videotapes may be made over-the-counter, by mail, FAX, or electronic mail. Search and product request instructions are provided. THERE IS A BUNCH OF IN-RATE TRAINING INFORMATION AVAILABLE AT THESE SITES.

Your point of contact is Mr Joe Valchar.

Rules of Engagement

The Rules of Engagement (ROE) Interactive Courseware (ICW) has been distributed. This is a highly interactive training product designed to provide one-on-one training and group training. We have received feedback with a couple of valid comments.
The first comment deals with the lack of immediate feedback on your actions. This courseware was designed to be used in two modes. In the first mode, the courseware randomly selects a group of encounters, eventually escalating DEFCON. In this case, feedback is provided after all of the encounters are complete. The second mode is available immediately after the Introduction, a dialog box comes up giving you the option to manually select encounters. If you select "Yes" the software will allow you to select one encounter from several in DEFCON 1 or DEFCON 3. Feedback is provided immediately after each of these encounters. For group training purposes we recommend manual selection of encounters.

The second comment refers to the lack of "bookmarking" within a specific encounter. If you exit the courseware before finishing an encounter, the encounter will start over again when you re-enter the courseware. Because of the volatility of each encounters specifics we decided to start the encounter over instead of putting you exactly where you left off. In these encounters, details are critical and we felt too much would be lost if we put the student(s) back into the middle of an encounter.

Finally, don't forget the bookshelf contains the ROE (CJCSI 3121.01) for your immediate reference at key decision points.

Keep the feedback coming. We want to know the use and value of the products we send to the fleet. Your inputs are key to the constant improvement of existing products and development of new products.

Your point of contact is Ned Kamradt.

PC-IMAT DISTRIBUTION

Fleet distribution is in full swing. The TRE teams are doing a great job giving the training required for this outstanding product. For those of you who have not received training, please contact STSC Jim Hess (SUBLANT) at DSN 836-1196 or STSC John Harvey (SUBPAC) at DSN 474-5819. Remember, training is required to be completed prior to your ship receiving the program. If you have questions or desire an additional copy of PC-IMAT give me a call.

Your point of contact for Sonar training products is STS1 Art Harley

WWW DOT WHAT?!

While you're out there checkin' out them cool sites, check us out! SOBT's on the web too! Missed last quarters newsletter? Wanna see what new stuff is out there? How about sending feedback to get your ideas heard? We're like the sauce, *it's in there!* So come on, what ya waiting for, surf on up to http://sobtweb.csg2.navy.mil and check us out!

Your point of contact is STS1 Art Harley.

SOBT MINI-NET

We have been delivering each of you (boats) the hub you need to run the Collision Avoidance Trainers. Alone with the hub you have recieved a little SOBT Mini-Net setup procedure. I've talked to the schoolhouse LAN course instructors, and we believe that if you don't want to change your SOBT laptop network properties you don't have to. Use the properties from your shipboard LAN network, connect the laptops to the hub and run the CAT.

Your point of contact is ETC(SS) Pat Thompson.

Executive

The **"Joint Fleet Maintenance Manual Volume V, Quality Maintenance"** video (SVT-GT-9884), DN 806293 is complete. All commands should receive this product shortly if it has not already arrived. The video introduces the new Quality Assurance manual, and describes key components of the Quality Assurance program.

Your point of contact is Mr. Dan Buchanan.

Engineering

More training, the **"Submarine (R-12) Refrigeration Refresher Maintenance Training"** video (SVT-AX-9768), DN 806354 is in distribution to the submarine force. This video provides training in 3 areas of the ship's refrigeration plant, dehydrator cartridge removal and replacement, compressor mechanical seal replacement and leak detection equipment, methods and techniques.

Your point of contact is Mr. Dan Buchanan.

A newly revised and updated **6L16 Oxygen Generator** Interactive courseware has been completed. This update has corrected fleet and school house feedback comments. It also includes more training for the equipment's electrical technicians and has also improved the courseware navigation for ease of use. We expect the final product to be available for distribution late January to mid February 99.

Your point of contact is Mr. Dan Buchanan.

COMMUNICATIONS

Navy Electricity and Electronics Training Series (NEETS)
This EWOBT course conversion (NEETS)(CBI-GT-9719) was designed to run on the Panasonic CF-41 and was distributed in March, 1998. The course was designed to run in Windows 3.11, and we have received numerous feedback reports requesting it be updated to run in Windows 95. NEETS will be converted in FY99 to run in Windows 95/98 and NT

Recently Distributed Communications Related SOBT Products

The following Communications related SOBT Products have been recently distributed and should be available through your Communications Officer or SOBT Products Manager. Please review these products and provide your feedback to me at the SOBT office.

AN/USC-42(V) Miniaturized Demand Assigned Multiple Access (Mini-DAMA) Communications Set (CBI) (CBI-C-98068)
The CBT for the AN/USC-42(V)1 was developed and delivered by NISE East in June 97 to USS Scranton (SSN 756), USS Seawolf (SSN 21) and USS Connecticut (SSN 22). Courseware for the AN/USC-42(V)2C and AN/USC-42A(V)2C was completed, duplicated and shipped to SPAWAR Charleston for distribution. Distribution of this CBI to all SSN 688 and SSN 21 Class submarines, submarine groups and squadrons, submarine training facilities, specific surface ships and various shore activities commenced in December 1998

Submarine EHF Communications Overview Video (SVT-C-9852)
This 35 minute video was designed to provide an overview of the EHF Communications system, equipment and basic operating procedures.

VLF FSK and STANAG 5030 Set Up Procedures (SVT-C-98051)

This 19 minute video was designed to provide general information, and step-by-step communications system setup procedures for coherent and non-coherent VLF FSK and STANAG 5030 circuits.

Communications Related SOBT Products Near Completion
The following Communications related SOBT products are very near completion and should be distributed within the next three months.

Submarine Satellite Communications Overview Video (SVT-C-98092)
This 33 minute video will provide an overview of Submarine Satellite Communications including UHF/EHF equipment, satellite information, circuits and their differences, and basic operations.

Submarine Communications Planning Video (SVT-C-98083)
This 32 minute video is an update to the "Communications Planning" video SVT-C-9308 which was deleted in June 1998. This video will provide guidance for COMM PLAN development for SSN and SSBN missions.

Battle Group Communications – Submarine Video (SVT-C-98077)
This 27 minute video is an update to the "Battle Group Communications" video SVT-C-9519 which was deleted in June 1998. This video will provide information concerning currently used battle group circuits, differing tactical situations which dictate communications circuit requirements, circuit configurations and radio room manning requirements.

Submarine Communications Support System (SCSS)
Commander, Space and Naval Warfare Systems Command is sponsoring the development of the Submarine Communications Support System (SCSS) training curriculum. This curriculum will be used in the schoolhouse for formal training, and will also be provided to submarines for Submarine On Board Training. Most of these courses have been delayed because of delays in equipment installations on board the submarines. The first SCSS course to be delivered was the Mini-DAMA. The next courseware expected will be for the Submarine Message Buffer with software revision 5.6. This courseware should be distributed in the next three months. I will keep you informed as to the status of other SCSS courseware when it is available.

I am constantly trying to come up with ideas for new training products needed for the Communications Divisions. In this continuing effort, I could certainly use some help from the experts at sea. What I am asking for here, is for Communications Officers, Communications Division LPOs and Communications Division personnel to review you training requirements and advise me of any areas which you believe SOBT courseware or videos would be helpful. My goal is to support you and to provide you with the very best and most accurate products possible. To meet this goal, I need your help and assistance with information concerning the needs of the fleet today. Please provide your ideas by telephone, e-mail or SOBT Feedback report. Your help is appreciated.

Your point of contact for Communications is Mr. Terry Harding.

FEEDBACK FORUM

Thank you very much if you are among those who have taken time out of their busy day to send us constructive criticism! We have received many feedback reports during the past quarter that were worthy of consideration for the prestigious feedback of the quarter award. After due consideration and detailed analysis, we have made a decision. The winner of the

prestigious SOBT feedback of the quarter award for the past quarter (October-December) is COMSUBRON SIXTEEN for the following detailed comments on the SOBT JMCIS Overview video tape (SVT-T-9720):

The title and table of contents in the letter of promulgation were somewhat deceptive in that the topics were not covered, and the times on letter of promulgation were drastically different than actual tape length. The tape concentrated on FOTC and off-hull contact track correlation. Although these topics were adequately covered, these

would have been more appropriately titled OTH operations with JMCIS vice just JMCIS overview. Kings Bay TRIDENT submarines have recently received the TAC-4 and appropriate JMCIS and SFMPL software. I believe that a void exists in available training for tactical employment of JMCIS/SFMPL on the TAC-4.

EDITOR'S NOTE: A big BZ goes out to those of you at COMSUBRON SIXTEEN for showing such a great interest in providing the fleet with the most correct and up to date training products. Fleet feedback is very much appreciated by SOBT, whether it is positive or negative, helping to keep your training value at its peak. At times we get so wrapped up in trying to make quality products that we forget about the basics. In this case, during the development phase of the product, the storyboard changed enough that the outline should have been rewritten. Letters of promulgation are based upon what is in the outline including major topics and their run times. The out come was a promulgation letter that did not match the product. Your constructive criticism will definitely be taken on board and addressed with the next update of this product. Your genuine concern for training is also exemplified in the need for training on the Tactical Advanced Computer (TAC) and its associated software. This however has been addressed and progress is being made in developing products for this equipment. Thanks again for your valuable input and keep up the good work!

Your point of contact is STS1 Art Harley.

1998 SOBT SURVEY RESULTS!

As all of you will remember, Chief Petty Officers from the SOBT Staff visited each submarine homeport in April and May of 1998 for the purpose of conducting surveys on SOBT product usage. The visits were scheduled when the most ships were in port during this period. The SOBT Staff visited each available ship, usually in the evenings during duty section training, and in most cases visited the same ship on successive days. SSBN Crews were also visited in the off-crew offices. During the visits, survey forms were handed out and the SOBT Staff presented a brief discussion on the SOBT Program. Most surveys were collected immediately following the visit to each ship, however in some cases the surveys were mailed back to the SOBT Office. In all, the SOBT Staff visited and surveyed thirty submarine crews and received survey forms from 945 individual sailors. Based on statistical analysis it was determined that this response level would accurately represent conditions at the 95% confidence level for individual results, and at the 75% confidence level for results reported by crew. The survey was designed to determine who was using SOBT products, the level of quality and, if the products made an impact on the qualification process. The survey asked general questions about the SOBT Program and specific questions about Interactive Courseware and SOBT Videos. Questions were also asked concerning the availability of computer and video hardware, perceived or real, from ship to ship.

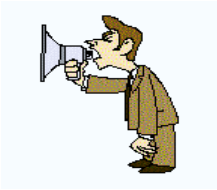
RESULTS

Overall the sailors that use SOBT Products find that the quality is excellent, the products are easy to use and the information is presented in an easy to understand format that is helpful in accomplishing training objectives.

Only one-third of the sailors surveyed were using ICW for qualification, but two-thirds of that group felt that SOBT products had decreased the time required for qualification. A marked improvement was seen in the number of people per crew using SOBT Products, with the average throughout the fleet being in the area of fifty to sixty percent. Some SSBN crews show an astonishing eighty percent usage rate! To support the rapid rise in the number of SOBT users was the response to the question of computer and VCR availability. Eighty-five percent of those surveyed said they had access to a computer for training, with seventy percent saying the VCR could be used for group training. Yet while these figures are promising, a problem arises when we ask about new product information making its way down to the deckplate level. Most of those surveyed had never seen the quarterly SOBT Training Trends newsletter; and an equal number didn't realize the SOBT Products Catalog was now available only on CD or via the SOBT website. Keeping in mind that this survey was conducted prior to the TYCOM qualification instruction mandating use of the 688-class qualification software, we should see improvement in this situation. In fact, since the approval of that

instruction, we have seen a dramatic increase in the volume of product requests, both for qualification software and general training products. Still, there exists a large "marketing" opportunity for all of us here at the SOBT Office.

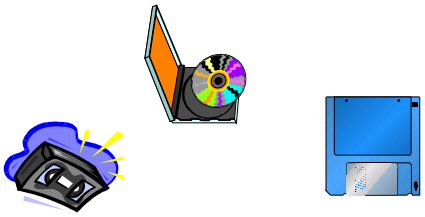
CONCLUSIONS



It is quite clear that there is still a lot of confusion among each submarine crew concerning their ship's training policy. While more members of each crew are using SOBT Products, there has been no concerted effort by any single command to produce a shipwide training plan, the focal point of which is the SOBT Catalog and the effective use of all products therein. SOBT is becoming a more integral part of the qualification process, yet it is clear that the effective use of SOBT products have still not "filtered down" to the deck-plate level on every submarine. It is also clear that a continuing effort by the SOBT office is required to improve its standing in the CPO's Quarters and on the Mess Decks. Education of training managers in proper integration of SOBT Products into their training plans will improve overall fleet utilization. For specific questions concerning the 1998 survey, the 1999 survey or upcoming SOBT visits.

Your Point-of-Contact is MMC(SS) Shawn W. Irish.

SOBT Products Distributed This Quarter



1. AN/BQN-17 Fathometer Recognition,Interpretation,and Analysis, (SVT-S-9633), Pin 806185
2. Joint Fleet Maintenance Manual, Volume V, Quality Maintenance, (SVT-GT-9884), Pin 806293
3. Submarine VLS Tube Close-out Procedures, (SVT-W-9770), Pin 806358
4. Submarine Deranged/ Damaged Electrical Equipment Procedures, (SVT-EL-9889), Pin 806239
5. Submarine Atmosphere Control (SVT-DC-9767), PIN 806353.
6. Submarine Central Atmosphere Monitoring System, (SVT-N-9766), Pin 806248
7. Submarine R-12 Refrigeration Plant Maintenance Refresher Training, (SVT-AX-9768), Pin 806354.
8. Submarine Hydraulic Plant Maintenance and Modes of Operation (CBI – AX – 98102)

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